REMARKS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-3, 7-18, 20, 21, 23, 24 and 27-29 are pending in the present application. Claims 1, 7, 14-16, 20, 21, 23, 27 and 28 have been amended, and claims 6 and 19 have been canceled by the present amendment.

In the outstanding Office Action, claims 1, 3, 6, 8, 9, 12-15, 19, 23, 24 and 27 were rejected under 35 U.S.C. § 103(a) as unpatentable over Thiagarajan et al. in view of Matsugami and Potrebic; and there were several rejections of the dependent claims.

Applicant thanks the Examiner for discussing this application with Applicant's representative on April 20, 2011. During the discussion, the differences between the present invention and the applied were discussed. No agreement was reached pending the Examiner's further review upon receiving the filed response. Comments presented during the Interview are reiterated below.

Claims 1, 3, 6, 8, 9, 12-15, 19, 23, 24 and 27 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Thiagarajan et al. in view of Matsugami and Potrebic. This rejection is respectfully traversed.

Amended independent claim 1 includes a combination of features and is directed to a recording system for recording a broadcasting program including a channel demodulating part configured to receive and demodulate the broadcasting program on a particular channel; a storage medium configured to record the broadcasting program; a controller configured to select the broadcasting program from among a plurality of broadcasting programs scheduled to be recorded onto the storage medium starting at a same time, to set a value for an identifying information corresponding to the selected broadcasting program to a first value when the selected broadcasting program first starts to be recorded on the storage medium, to set a value for identifying information corresponding to non-selected broadcasting programs to the first value and to change the value of the identifying information corresponding to the selected broadcasting program to a second value when the selected broadcasting program is successfully recorded onto the storage medium or maintain the value of the identifying information corresponding to the selected broadcasting program to the first value when the selected broadcasting program fails to be successfully recorded onto the storage medium; and a recording processing part configured to

store identifying information, recording start time, recording end time and channel information corresponding to broadcasting programs scheduled to be recorded onto the storage medium, to identify identifying information corresponding to broadcasting programs scheduled to be recorded onto the storage medium, and to automatically request a network server for the re-transmission of a broadcasting program whose previous attempt at recording onto the storage medium failed and without waiting for the network server to rebroadcast the program. Further, the request to the network server includes a recording start time, recording end time and channel information for the broadcast program requested to be re-transmitted. Amended independent claim 14 includes similar features in a varying scope.

These features are supported at least by the non-limiting examples shown in Figs. 1, 2, 4 and 5 and the corresponding description in the specification. For example, these Figures illustrate a recording system for recording a broadcasting program including a channel demodulating part 101 configured to receive and demodulate the broadcasting program on a particular channel; a storage medium 105 configured to record the broadcasting program; a controller 104 configured to select the broadcasting program from among a plurality of broadcasting programs scheduled to be recorded onto the storage medium starting at a same time, to set a value for an identifying information (e.g., recording start flag in Fig. 2) corresponding to the selected broadcasting program to a first value when the selected broadcasting program first starts to be recorded on the storage medium (S402 in Fig. 4), to set a value for identifying information corresponding to non-selected broadcasting programs to the first value (S402 in Fig. 4), and to change the value of the identifying information corresponding to the selected broadcasting program to a second value when the selected broadcasting program is successfully recorded onto the storage medium (Yes in S404 in Fig. 4) or maintain the value of the identifying information corresponding to the selected broadcasting program to the first value when the selected broadcasting program fails to be successfully recorded onto the storage medium (No in S404 in Fig. 4); and a recording processing part 104 configured to store identifying information, recording start time, recording end time and channel information corresponding to broadcasting programs scheduled to be recorded onto the storage medium (see also Fig. 3), to read information corresponding to broadcasting programs scheduled to be recorded onto the storage medium (S501 in Fig. 5), and to automatically request a network server for the re-transmission of a broadcasting program whose previous attempt at recording onto the

storage medium failed and without waiting for the network server to rebroadcast the program (S502 and S503 in Fig. 5. See also paragraphs [0032], [0048], [0059], [0065], [0066] and [0077]. As shown in Fig. 5, when the recording start flag indicates a failure, the request for re-transmission of the broadcast occurs <u>automatically</u> and there is not shown step of waiting for a the server to rebroadcast the program). Further, the request to the network server includes a recording start time, recording end time and channel information for the broadcast program requested to be re-transmitted (see Fig. 3).

As discussed with the Examiner, what Thiagarajan et al. actually teaches is a recording system that allows a user to record selected broadcast programs. One feature of Thiagarajan et al. is how the recording system deals with broadcast programs that have not successfully recorded. Referring to Fig. 6, the recording system of Thiagarajan et al. operates differently depending on what percentage of the entire broadcast program is successfully recorded. One solution disclosed by Thiagarajan et al. is a method for later recording portions of a broadcast program that was not able to successfully record during its initial recording process.

In more detail, in Thiagarajan et al. the recording system is only able to identify which recorded broadcast programs have not been recorded in their entirety, and then <u>wait</u> for a next broadcast of those programs to record the missing portions (see paragraphs [0050]-[0052]). Specifically, the recording system in Thiagarajan et al. saves information corresponding to a recorded broadcast program such as a program title, and then searches the EPG for a future broadcast of the same broadcast program (see paragraph [0050], for example). Thus, according to the Thiagarajan et al. recording system, missing portions of a broadcast program cannot be re-recorded if the broadcast program is never to be broadcast again. That is, the recording system in Thiagarajan, et al. is a passive system that saves information on a broadcast program that fails to fully record, and then searches the EPG information in hopes that the broadcast program will be broadcast again. There is no control in Thiagarajan et al. to actively seek and request the broadcast program again.

On the contrary, the current independent claims 1 and 14 recite <u>automatically</u> requesting a network server for the re-transmission of a broadcast program whose previous attempt at recording onto the storage medium failed and without waiting for the network server to rebroadcast the program. Thus, according to the claimed invention, an <u>active approach</u> is taken in which the recording system automatically requests a network server to re-transmit those

broadcast programs that were not fully recorded during a previous record event. The recording system of the claimed invention does not have to wait for a broadcast station to re-transmit the broadcast program because it directly requests a network server to re-transmit the broadcast program.

Also, none of the applied references teach or suggest the requesting of a network server for the re-transmission of a broadcast program including all three of a recording start time, recording end time and channel information as now recited in independent claims 1 and 14.

Accordingly, it is respectfully submitted independent claims 1 and 14 and each of the claims depending therefrom are allowable.
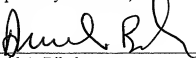

CONCLUSION

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact David A. Bilodeau, Registration No. 42325, at the telephone number of the undersigned below to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Director is hereby authorized in this, concurrent, and future replies to charge any fees required during the pendency of the above-identified application or credit any overpayment to Deposit Account No. 02-2448.

Dated: May 3, 2011   Respectfully submitted,

                        By
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